

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Conor J. Cunningham; Ramachandran

Venkatesh; Eric N. Hanson

Application No.: Not yet assigned

Filing Date: Herewith

For: TYPE PATH INDEXING

Confirmation No.: Not yet assigned

Group Art Unit: Not yet assigned

Examiner: Not yet assigned

EXPRESS MAIL LABEL NO: EL969188764US

DATE OF DEPOSIT: October 23, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or

before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with the first or second After Final Submission, therefore:
 - Certification in Accordance with § 1.97(e) is attached; or
 - The fee of \$180.00 as set forth in § 1.17(p) is attached.
- In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:
 - Certification in Accordance with § 1.97(e) is attached;
 - or
 - The fee of \$180.00 as set forth in § 1.17(p) is attached.
- In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).
- Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- Copies of references listed on the attached Form PTO-1449 are enclosed herewith

Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

EXCEPT THAT:

In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:

Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No.

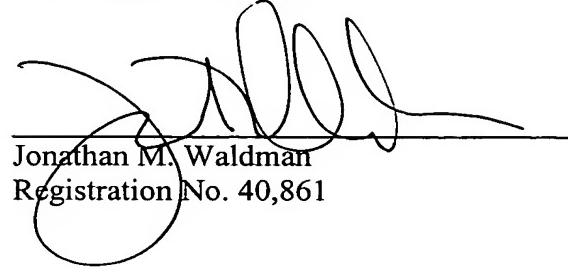
, filed .

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

The relevance of those listed references which are not in the English language is as follows:

There are no listed references which are not in the English language.

Date: October 23, 2003



Jonathan M. Waldman
Registration No. 40,861

WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

© 2003 WW

Form PTO-1449 Modified		Docket No. MSFT-2849/306818.1	Application No. Not yet assigned
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Conor J. Cunningham; Ramachandran Venkatesh; Eric N. Hanson	
U.S. Department of Commerce Patent and Trademark Office		Filing Date Herewith	Group Not yet assigned
		Confirmation No. Not yet assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	1	Atkinson, Malcolm P., et al., "Types and Persistence in Database Programming Languages," <i>ACM Computing Surveys</i> , Vol. 19, No. 2, June 1987, pp. 105-190.	
	2	Beneventano, Domenico, et al., "Description Logics for Semantic Query Optimization in Object-Oriented Database Systems," <i>ACM Transactions on Database Systems</i> , Vol. 28, No. 1, March 2003, pp. 1-50.	
	3	Meuss, Holger, et al., "Complete Answer Aggregates for Tree-Like Databases: A Novel Approach to Combine Querying and Navigation," <i>ACM Transactions on Information Systems</i> , Vol. 19, No. 2, April 2001, pp. 161-215.	
	4	Özsoyoğlu, Gultekin, et al., "Query Processing Techniques in the Summary-Table-by-Example Database Query Language," <i>ACM Transactions on Database Systems</i> , Vol. 14, No. 4, December 1989, pp. 526-573.	
	5	Sciore, Edward, "Using Annotations to Support Multiple Kinds of Versioning in an Object-Oriented Database System," <i>ACM Transactions on Database Systems</i> , Vol. 16, No. 3, September 1991, pp. 417-438.	
EXAMINER		DATE CONSIDERED	